

ENVIRONMENTAL COMPLIANCE APPROVAL

NUMBER 1097-C4RPG2

Issue Date: August 18, 2021

Rain Carbon Canada Inc.
725 Strathearne Ave North
Hamilton, Ontario
L8H 5L3

Site Location: 725 Strathearne Avenue North
Hamilton, Ontario

You have applied under section 20.2 of Part II.1 of the Environmental Protection Act, R.S.O. 1990, c. E. 19 (Environmental Protection Act) for approval of:

- an activated carbon air filtration system consisting of two activated carbon filters positioned in series, each containing approximately 204 kilograms of carbon media and discharging to air at approximately 0.14 cubic metre per second via a single 0.1 m stack extending approximately 4.6 meters above grade and controlling emissions from a Fenton's Reagent wastewater treatment system;

all in accordance with the Environmental Compliance Approval Application submitted by Rain Carbon Canada Inc. dated December 10, 2020 and signed by Gord Gilmet, Technical Manager, supporting documentation dated December 10, 2020 and signed by Gord Gilmet of Rain Carbon Canada Inc., the technical memorandum dated December 10, 2020 and signed by Emily Lau and Sean Capstick of Golder Associated Ltd., the Acoustic Assessment Report dated November 10, 2020 prepared by Golder Associates Ltd. and signed by Joe Tomaselli, M.Eng., P.Eng., and the letter by Golder Associates Ltd., dated May 13, 2021 and signed by Joe Tomaselli, M.Eng., P.Eng., and the emails from Gord Gilmet dated June 14, 2021, July 7, 2021 and August 16, 2021.

For the purpose of this environmental compliance approval, the following definitions apply:

1. "Approval" means this Environmental Compliance Approval, including the application and supporting documentation listed above;
2. "Carbon Filter Management Plan" means a document or a set of documents which describe measures to manage the activated carbon air filtration system during operation of the Fenton's Reagent wastewater treatment system;

3. "Company" means Rain Carbon Canada Inc. that is responsible for the construction or operation of the Facility and includes any successors and assigns in accordance with section 19 of the EPA;
4. "District Manager" means the District Manager of the appropriate local district office of the Ministry, where the Facility is geographically located;
5. "EPA" means the *Environmental Protection Act*, R.S.O. 1990, c.E.19;
6. "Equipment" means the equipment or processes described in the Company's application, this Approval and in the supporting documentation submitted with the application, to the extent approved by this Approval;
7. "Facility" means the entire operation located on the property where the Equipment is located;
8. "Manual" means a document or a set of documents that provide written instructions to staff of the Company;
9. "Ministry" means the ministry of the government of Ontario responsible for the EPA and includes all officials, employees or other persons acting on its behalf;
10. "Publication NPC-300" means the Ministry Publication NPC-300, "Environmental Noise Guideline, Stationary and Transportation Sources – Approval and Planning, Publication NPC-300", August 2013, as amended.

You are hereby notified that this environmental compliance approval is issued to you subject to the terms and conditions outlined below:

TERMS AND CONDITIONS

1. OPERATION AND MAINTENANCE

1. The Company shall ensure that the Equipment is properly operated and maintained at all times. The Company shall:
 - a. prepare, before commencement of operation of the Equipment, and update, as necessary, a Manual outlining the operating procedures and a maintenance program for the Equipment, including:
 - i. routine operating and maintenance procedures in accordance with good engineering practices and as recommended by the Equipment suppliers;
 - ii. emergency procedures, including spill clean-up procedures;
 - iii. procedures for any record keeping activities relating to operation and maintenance of the Equipment;

iv. all appropriate measures to minimize noise and odorous emissions from all potential sources; and

b. implement the recommendations of the Manual.

2. RECORD RETENTION

1. The Company shall retain, for a minimum of two (2) years from the date of their creation, all records and information related to or resulting from the recording activities required by this Approval, and make these records available for review by staff of the Ministry upon request. The Company shall retain:
 - a. all records on the maintenance, repair and inspection of the Equipment; and
 - b. all records of any environmental complaints, including:
 - i. a description, time and date of each incident to which the complaint relates;
 - ii. wind direction at the time of the incident to which the complaint relates; and
 - iii. a description of the measures taken to address the cause of the incident to which the complaint relates and to prevent a similar occurrence in the future.

3. NOTIFICATION OF COMPLAINTS

1. The Company shall notify the District Manager, in writing, of each environmental complaint within two (2) business days of the complaint. The notification shall include:
 - a. a description of the nature of the complaint; and
 - b. the time and date of the incident to which the complaint relates.

4. NOISE

1. The Company shall, at all times, ensure that the noise emissions from the Facility comply with the limits set out in Ministry Publication NPC-300.

5. CARBON FILTER

1. The Company shall develop in consultation with the District Manager, a Carbon Filter Management Plan for the management of the activated carbon air filtration system during operation of the Fenton's Reagent wastewater treatment system;
2. The Company shall submit the Carbon Filter Management Plan to the District Manager prior to the operation of the Fenton's Reagent wastewater treatment

- system or as otherwise indicated by the District Manager;
3. Upon acceptance of the Carbon Filter Management Plan by the District Manager, the Company shall immediately implement the Carbon Filter Management Plan; and
 4. The Company shall update the Carbon Filter Management Plan as necessary or at the direction of the District Manager.

The reasons for the imposition of these terms and conditions are as follows:

1. Condition No. 1 is included to emphasize that the Equipment must be maintained and operated according to a procedure that will result in compliance with the EPA, the Regulations and this Approval.
2. Condition No. 2 is included to require the Company to keep records and to provide information to staff of the Ministry so that compliance with the EPA, the Regulations and this Approval can be verified.
3. Condition No. 3 is included to require the Company to notify staff of the Ministry so as to assist the Ministry with the review of the site's compliance.
4. Condition Nos. 4 and 5 are included to provide the minimum performance requirements considered necessary to prevent an adverse effect resulting from the operation of the Facility.

In accordance with Section 139 of the Environmental Protection Act, you may by written Notice served upon me, the Environmental Review Tribunal and in accordance with Section 47 of the Environmental Bill of Rights, 1993, the Minister of the Environment, Conservation and Parks, within 15 days after receipt of this Notice, require a hearing by the Tribunal. The Minister of the Environment, Conservation and Parks will place notice of your appeal on the Environmental Registry. Section 142 of the Environmental Protection Act provides that the Notice requiring the hearing shall state:

- a. The portions of the environmental compliance approval or each term or condition in the environmental compliance approval in respect of which the hearing is required, and;
- b. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

The Notice should also include:

1. The name of the appellant;
2. The address of the appellant;

3. The environmental compliance approval number;
4. The date of the environmental compliance approval;
5. The name of the Director, and;
6. The municipality or municipalities within which the project is to be engaged in.

And the Notice should be signed and dated by the appellant.

This Notice must be served upon:

The Secretary* Environmental Review Tribunal 655 Bay Street, Suite 1500 Toronto, Ontario M5G 1E5	AND	The Minister of the Environment, Conservation and Parks 777 Bay Street, 5th Floor Toronto, Ontario M7A 2J3	AND	The Director appointed for the purposes of Part II.1 of the Environmental Protection Act Ministry of the Environment, Conservation and Parks 135 St. Clair Avenue West, 1st Floor Toronto, Ontario M4V 1P5
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*** Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 212-6349, Fax: (416) 326-5370 or www.ert.gov.on.ca**

This instrument is subject to Section 38 of the Environmental Bill of Rights, 1993, that allows residents of Ontario to seek leave to appeal the decision on this instrument. Residents of Ontario may seek leave to appeal within 15 days from the date this decision is placed on the Environmental Registry. By accessing the Environmental Registry at <https://ero.ontario.ca/>, you can determine when the leave to appeal period ends.

The above noted activity is approved under s.20.3 of Part II.1 of the Environmental Protection Act.

DATED AT TORONTO this 18th day of August,
2021

Neryed Ragbar, P.Eng.
Director
appointed for the purposes of Part
II.1 of the *Environmental
Protection Act*

MS/
c: District Manager, MECP Hamilton - District
Emily Lau, Golder Associates Ltd.